

# Leukaemia Section

## Short Communication

### t(1;21)(p36;q22)

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Published in Atlas Database: February 2000

Online updated version : <http://AtlasGeneticsOncology.org/Anomalies/t0121ID1186.html>

DOI: 10.4267/2042/37593

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#### Identity

**Note:** Only two cases, one with features identical to a case of t(18;21)(q21;q22), and a case of t(19;21)(q13.4;q22).

#### Clinics and pathology

##### Disease

Acute non lymphocytic leukemia (ANLL) secondary to toxic exposure.

##### Etiology

ANLL occurred about 50 years after radiation exposure from nuclear explosion in one case, 5 years after treatment with antitopoisomerase II for lung cancer in the other case.

##### Evolution

Complete remission in the two patients; relapse in the one documented case.

##### Prognosis

Unknown.

#### Genes involved and proteins

##### Note

The gene involved in 1p36 is unknown.

##### AML1

##### Location

21q22

##### DNA/RNA

Transcription is from telomere to centromere.

##### Protein

Contains a Runt domain and, in the C-term, a transactivation domain; forms heterodimers; widely expressed; nuclear localisation; transcription factor (activator) for various hematopoietic-specific genes.

#### References

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*This article should be referenced as such:*

Huret JL. t(1;21)(p36;q22). *Atlas Genet Cytogenet Oncol Haematol*. 2000; 4(1):32.